

RCRA PRIORITIZATION SYSTEM SCORING SUMMARY

FOR

SGS THOMSON MICRO ELECTRONICS

EPA SITE NUMBER: NJD044655140

SCHOOLHOUSE, NJ

SCORED BY: ROB SAVILL

OF CDM FEDERAL

ORIGINAL RANKING: 11/10/93 LAST RANKING: 11/10/93

GROUNDWATER SCORE : 76.92

SURFACE WATER SCORE: 41.46

AIR ROUTE SCORE : 0.00

ONSITE SCORE : 28.57

MIGRATION SCORE : 45.97

HIGH

In RCRAIS

EPA ID NO. : NJD044655140
SGS THOMSON MICRO ELECTRONICS

WS-1 GROUNDWATER ROUTE

IS THERE AN OBSERVED RELEASE? Y

ROUTE CHARACTERISTICS

DEPTH TO AQUIFER (FT.) : NA

NET PRECIPITATION (IN.) : NA

PHYSICAL STATE: NA

CONTAINMENT:

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: DICHLOROBENZENE

TOXICITY/PERSISTENCE VALUE: 18

QUANTITY KNOWN? YES

CUBIC YARDS OR TONS: 0
DRUMS : 165

TARGETS

GROUNDWATER USE: DRINKING WATER

DISTANCE TO WELL (MILES): 0.2

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WS-2 SURFACE WATER ROUTE

RELEASES

IS THERE AN OBSERVED RELEASE? N

IS THERE A PERMITTED OUTFALL? N

HAVE THERE BEEN PERMIT VIOLATIONS? N

ROUTE CHARACTERISTICS

FACILITY LOCATION: OTHER

24-HOUR RAINFALL: 2.6

DISTANCE TO SURFACE WATER (MILES): 0.40

PHYSICAL STATE: LIQUID, GAS, SLUDGE

CONTAINMENT: POOR

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: DICHLOROBENZENE

TOXICITY/PERSISTENCE VALUE: 18

QUANTITY KNOWN? YES

CUBIC YARDS OR TONS: 0
DRUMS : 165

TARGETS

SURFACE WATER USE: POSSIBLE DRINKING WATER OR RECREATION

DISTANCE TO INTAKE OR CONTACT POINT (MILES): 0.4

DISTANCE TO SENSITIVE ENVIRONMENT (MILES): 0.4

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WS-3 AIR ROUTE

RELEASES

IS THERE AN OBSERVED, UNPERMITTED, ON-GOING RELEASE? N

DOES THE FACILITY HAVE AN AIR OPERATING PERMIT(S)? N

HAVE THERE BEEN ANY PERMIT VIOLATIONS OR ODOR COMPLAINTS BY RESIDENTS? N

CAN CONTAMINANTS MIGRATE INTO AIR? Y

CONTAINMENT: VERY GOOD

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: TRICHLOROETHANE

TOXICITY/PERSISTENCE VALUE: 2

QUANTITY KNOWN? YES

CUBIC YARDS OR TONS: 0
DRUMS : 165

TARGETS

POPULATION: RESIDENCES ARE LOCATED WITHIN FOUR MILES

DISTANCE TO SENSITIVE ENVIRONMENT (MILES): 0.4

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WS-4 ON SITE CONTAMINATION

ACCESS TO SITE: LIMITED ACCESS

IS THERE AN OBSERVED SURFACE SOIL CONTAMINATION? Y

CONTAINMENT: POOR

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: TRICHLOROETHANE

TOXICITY/PERSISTENCE VALUE: 2

TARGETS

DISTANCE TO RESIDENTIAL AREAS (MILES): 0.20

IS THERE AN ON-SITE SENSITIVE ENVIRONMENT: N

RCRA PRIORITIZATION SYSTEM SCORING SUMMARY

FOR SGS THOMSON MICRO ELECTRONICS
SCHOOLHOUSE, NEW JERSEY

EPA SITE NUMBER: NJD044655140

SCORED BY: JAMES ROMIG

OF CDM FEDERAL

ON NOVEMBER 9, 1993

GROUNDWATER SCORE :

SURFACE WATER SCORE:

AIR ROUTE SCORE :

ONSITE SCORE :

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MIGRATION SCORE :

WS-1 GROUNDWATER ROUTE

IS THERE AN OBSERVED RELEASE? YES (REF I; PART III; PARAGRAPH 3)

ROUTE CHARACTERISTICS

DEPTH TO AQUIFER (FT.) : 18' (REF I; PART IV; ITEM 4)

NET PRECIPITATION (IN.) : 12' (REF I; PART IV; ITEM 6 & REF 2; MAP OF MEAN ANNUAL LAKE EVAPORATION)

PHYSICAL STATE: LIQUID (REF I; PART III)

CONTAINMENT: Poor-Documented Release

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: DICHLOROBENZENE (REF I; PART IV; ITEM 1)

TOXICITY/PERSISTENCE VALUE: 18

QUANTITY KNOWN? YES

CUBIC YARDS OR TONS:
DRUMS

: 165 (REF I; PART II; WASTE UNIT 1; ITEM 3)

TARGETS

GROUNDWATER USE: DRINKING WATER (REF I; PART IV; ITEM 8)

DISTANCE TO WELL (MILES): < 1/4 MILE (REF I; PART IV; ITEM 9).

WS-2 SURFACE WATER ROUTE

RELEASES

IS THERE AN OBSERVED RELEASE? NO (REF I; PART IV; ITEM 11)

IS THERE A PERMITTED OUTFALL? NO (REF I; PART I; ITEM 10)

HAVE THERE BEEN PERMIT VIOLATIONS? NO PERMITS. NO

ROUTE CHARACTERISTICS

FACILITY LOCATION: THE SITE IS LOCATED OUTSIDE THE 500-YR FLOODPLAIN
(REF I; PART II; ITEM 14)

24-HOUR RAINFALL: 2.6" (REF 2; MAP OF 1-YEAR, 24-HOUR RAINFALL)

DISTANCE TO SURFACE WATER (MILES): < 1/2 MILE (REF I; PART IV; ITEM 13)

PHYSICAL STATE: LIQUID (REF I; PART III)

CONTAINMENT: POOR - HISTORICAL SURFACE SOIL CONTAMINATION IS DOCUMENTED AT THE SITE
(REF I; PART III)

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: DICHLOROBENZENE
(REF I; PART III; PARAGRAPH 2)

TOXICITY/PERSISTENCE VALUE: 18

QUANTITY KNOWN? X

CUBIC YARDS OR TONS:
DRUMS

: 165 (REF I; PART II; WASTE UNIT 1; ITEM 3)

TARGETS

SURFACE WATER USE: ASSUME RECREATIONAL

DISTANCE TO INTAKE OR CONTACT POINT (MILES): < 1/2 MILE (REF I; PART IV; ITEM B)

DISTANCE TO SENSITIVE ENVIRONMENT (MILES): NO INFO. - ASSUME < 1/2 MILE

WS-3 AIR ROUTE

RELEASES

IS THERE AN OBSERVED, UNPERMITTED, ON-GOING RELEASE? *No (REF I, PART IV, ITEM 3)*

DOES THE FACILITY HAVE AN AIR OPERATING PERMIT(S)? *No (REF I, PART I, ITEM 10)*

HAVE THERE BEEN ANY PERMIT VIOLATIONS OR ODOR COMPLAINTS BY RESIDENTS?

No INFO ON COMPLAINTS - ASSUME NO
CAN CONTAMINANTS MIGRATE INTO AIR?

YES - 1,1,1-TCF IS A VOLATILE COMPOUND

CONTAINMENT: *VERY GOOD - CLOSED CONTAINERS, INDOOR*

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: *1,1,1-TCF (REF I, PART II, ITEM 5)*

TOXICITY/PERSISTENCE VALUE: *2*

QUANTITY KNOWN? *YES*

CUBIC YARDS OR TONS:
DRUMS

: 165 (REF I, PART III, ITEM 3)

TARGETS

POPULATION: *RESIDENCES WITHIN FOUR MILES*

DISTANCE TO SENSITIVE ENVIRONMENT (MILES): *NO DEFINITE INFO. ASSUME < 1/2 MILE*

WS-4 ON SITE CONTAMINATION

ACCESS TO SITE: LIMITED (REF 1, SITE SUMMARY AND RECOMMENDATION)

IS THERE AN OBSERVED SURFACE SOIL CONTAMINATION? YES (REF 1, PART III)

CONTAINMENT: POOR - OBSERVED RELEASE

WASTE CHARACTERISTICS

CHEMICAL NAME OR WASTE CODE NUMBER: 1,1,1-TCA (REF 1, PART III)

TOXICITY/PERSISTENCE VALUE: 2

TARGETS

DISTANCE TO RESIDENTIAL AREAS (MILES): $\frac{1}{4}$ MILE (REF 1, SITE SUMMARY AND RECOMMENDATION, AND LAST PARAGRAPH)

IS THERE AN ON-SITE SENSITIVE ENVIRONMENT: NO (REF 1, PART IV, ITEM 22)

REFERENCES

- 1- EBASCO SERVICES, INC., FINAL DRAFT - ENVIRONMENTAL PRIORITIES INITIATIVE / PRELIMINARY ASSESSMENT, SGS THOMPSON MICRO ELECTRONICS, CITY OF SOMERSET, SOMERSET COUNTY, NEW JERSEY, SEPTEMBER, 1992.
- 2- ~~NUS HALL~~ U.S. ENVIRONMENTAL PROTECTION AGENCY, UNCONTROLLED HAZARDOUS WASTE SITE RANKING SYSTEM - A USER'S MANUAL, AUGUST 1982.